GREBENSKAYA, N.I.

Regeneration of skeletal muscle tissue in mammals following novocaine block. Biul. eksp. biol. i med. 47 no.3:81-84 Mr '59. MIRA 12:7)

1. Iz kafedry obshchey biologii (zav. - prof. G.M. Litver) 1-go Leningradskogo meditsinskogo instituta (dir. - dotsent A. I. Ivanov). Predstavlena deystvitel nym chlenom AMN SSSR V. N. Chernigovskim.

(PROCAINE, eff.

nerve block on musc. regen. in animals (Rus))

(ANESTHESIA, REGIONAL, effects,
procaine nerve block, on musc. regen. in animals (Rus))

(MUSCLE, physiol.
regen. eff. of procaine nerve block in animals (Rus))

(REGENERATION, physiol.
musc., eff. of procaine nerve block in animals (Rus))

GREBENSKAYA, N.I.

Structural characteristics of blood vessels and the bronchial tree in the lung of some mammals. Arkh. anat., gist. i embr. 47 no.9:84-91 S 164. (MIRA 18:11)

1. Kafedra biologii (zav. - dotsent V.S.Nikltin) Grodnenskogo meditsinskogo instituta. Submitted Jan. 3, 1962.

L 30012-65 FBD/EWT(1)/EWG(v)/EEC-4/EEC(t) Pe-5/Pq-4/Pae-2/Pi-4 GW/WS ACCESSION NR: AP5005782 S/0043/65/000/001/0102/0109

AUTHOR: Abbasov, A. R.; Grebinskiy, A. S.; Durasova, M. S.; Ivanov, V. A.; Ignat'yeva, L. M.; Molchanov, A. P.; Myasnikov, V. L.; Pankratov, Ye. I.; Sukhanov, A. G.; Yudin, O. I.; Yasnov, L. V.

TITLE: Radioastronomic observations on the centimeter wave of the solar eclipse on 21 July 1963

SOURCE: Leningrad. Universitet. Vestnik. Seriya matematiki, mekhaniki i astronomii, no. 1, 1965, 102-109

TOPIC TAGS: solar eclipse, solar atmosphere, residual radiation, terrestrial atmosphere, radio emission, sunspot

ABSTRACT: An expedition went to Simushir Island to observe the time of the second and third radio contacts of the solar eclipse of 21 July 1963 for detecting the height of rapid changes in the solar atmosphere during the period of weak solar activity and for measuring the residual radiation flux during the period of total cover of the Sun. The detection of local sources of radio emission from the Sun during the total eclipse and measurements of the Earth's own atmospheric radiation were also included in the expedition's task. The solar disk was covered with two groups of

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ACCESSION NR: AP5005782

sunspots, of which one persisted only two days including the day of the eclipse. The refraction, absorption, and proper radiation of the Earth's atmosphere influenced observation data. The absorption and atmospheric radiation were specially measured before and after the eclipse. Strong fluctuations of the solar radio emission between the first and second contacts were recorded on 3.2- and 10-cm wavelengths. The amplitude of fluctuations diminished with the increase of solar height and did not depend on wavelength. A difference was observed between the optical and radio contact times. The residual radio emission corrected for absorption in the terrestrial atmosphere is given in a table in the original article. An emission of local sources has been recorded on 4-, 5-, and 10-cm waves. The local source was identified with the spot group which lasted only two days. The height of the local source was determined to be in a space span from 7000 to 20,000 km above the solar surface. Orig. art. has: 3 figures, 7 tables, and 4 formulas.

ASSOCIATION: none

SUBMITTED: 24Jan64 ENCL: 00 SUB CODE: AA, ES

NO REF SOV: 004 OTHER: 002 ATD PRESS: 3196

Card 2/2

22171

S/048/61/025/004/020/048 B104/B201

26.2244

AUTHORS: Grebenskiy, B. S., Timofeyeva, T. V., Khormushko, S. P.,

and Tavetkov, O. S.

TITLE: Increase of the efficiency of a scintillation detector for

slow neutrons

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, v. 25,

no. 4, 1961, 500-503

TEXT: The present paper has been read at the 9th Conference on Luminescence (Crystal Phosphors), Kiyev, June 20-25, 1960. The authors examined a dispersion detector for slow neutrons on the basis of ZnS-Ag and H₃BO₃,

using both natural B and such enriched with B 10. The detectors were prepared by joint sintering of ZnS-Ag with H3BO3, and also, for a compari-

son, by a method described in the literature (Ref. 2: Sun K., Malmberg P., Pesjak F., Phys. Rev., 95, 600 (1954); Nucleonics, 14, No. 7. 46 (1956); Ref. 3: Vorisek M., Czechosl. J. Phys., 7, No. 6, 757 (1957)). In the first method, a sinter of B_2O_3 was ground with ZnS-Ag and sorted in frac-

Card 1/6

22171

S/048/61/025/004/020/048 B104/B201

Increase of the ...

tions according to given grain sizes. The authors determined the dependence of efficiency 3, of the recording of slow neutrons on the grain size of the fraction and the thickness of the detector for different percentages of boron oxide concentrated with B¹⁰ to different degrees. They further constructed the differential curves of the pulse amplitude distributions of slow neutrons and gamma radiation. Results are collected in the table and the two diagrams (Figs. 1 and 2). The maximum of sensitivity ranges between 30 and 34 wt% H₃BO₃ (Table). There are 2 figures, 1 table, and 6 references: 5 Soviet-bloc and 1 non-Soviet-bloc.

Legend to Table 1: 1) grain size in μ ; 2) detector I: 16 % H_3BO_3 with 19 % B^{10} ; 3) detector II: the same with 85 % B^{10} ; detector III: 34 % H_3BO_3 with 19 % B^{10} ; detector IV: the same with 85 % B^{10} ; detector V: 89 % H_3BO_3 with 19 % B^{10} . 1 optimum thickness of detector in mg/cm². I is the efficiency of the capture of thermal neutrons by the detector with formation of an alpha particle.

Card 2/6

22172

S/048/61/025/004/021/048 B104/B201

26, 2244

A

AUTHORS: Gorshkov, G. V., Grebenskiy, B. S., Khormushko, S. P., and

Tsvetkov, O. S.

TITLE: Dispersion detector for fast neutrons

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, v. 25,

no. 4, 1961, 504-505

TEXT: The present paper has been read at the 9th Conference on Luminescence (Crystal Phosphors), Kiyev, June 20-25, 1960. The detector considered here is made of grains of a ZnS-Ag scintillator, which are uniformly distributed in a medium containing hydrogen. The scattering of neutrons in the detector leads to the formation of recoil protons which, when hitting a scintillator, result in a scintillation which is recorded by a photomultiplier. The detectors considered here were prepared by polymerization of styrene and methyl methacrylate with ZnS-Ag. The resulting detectors were up to 300 mm in diameter and had the shape of hollow spheres, cylinders, hemispheres, etc. The grain size of the scintillator was $12-25~\mu$, the afterglow had a duration of about 10^{-4} seconds, the intensity Card 1/3

22**17**2 \$/048/61/025/004/021/048 B104/B201

Dispersion detector...

maximum of emission ranged between 4100 and 4500 A, which was in good agreement with the maximum of spectral sensitivity of the antimony cesium photocathode of the multiplier. The recording efficiency may be represented in the form $e = e_0 e_p e_v$. Here, e_0 denotes the scattering efficiency of neutrons of the detector, $\boldsymbol{\xi}_p$ the hitting efficiency of protons (to hit a ZnS-Ag grain), and £, is the efficiency of the recording of scintillations. ϵ as a function of the neutron energy ϵ_n , of the grain size and of the concentration C_m of the scintillator, of thickness, etc., is discussed. Relation $\epsilon_p = I - \exp(-k(r)C_VR_n)$ is derived, where C_V denotes the volume concentration of ZnS-Ag, R_n is the proton range for proton energy \mathbf{E}_n , $\mathbf{k}(\mathbf{r})$ is dependent upon the energy distribution of the recoil protons and of the grain size of the scintillator. It is also obvious that there is an optimum thickness l_0 of the detector, that is dependent upon the optical properties of the detector, on $\mathbf{E}_{\mathbf{n}}$, and the discrimination threshold. For a detector with $C_m = 25 \%$ the optimum thickness is equal to 10 mm, when recording the neutrons from a Po $_{\alpha}$ + Be source, and at a discrimination of gamma radiation with 3.104 quanta-cm⁻²sec⁻¹. There are 1 figure and 8 references: 4 Soviet-bloc and 4 non-Soviet-bloc. Card 2/3

\$/858/62/000/001/011/013 D296/D307

13.72

270000

AUTHORS:

TITLE:

Grebinskiy, S. O., Iovleva, N. D. and Popovich, I. V.

The influence of x rays upon the transformation of storage substances, tissue respiration, and the activity of

oxidative enzymes of sprouting plant seeds

SOURCE:

L'vov. Universytet. Problemna lyaboratoriya radiobiolo-

hiyi. Biologicheskoye deystviye radiatsii, no. 1, 1962,

84-89

TEXT: In an earlier paper, the authors have shown that high doses of radiation suppress the growth, the respiration rate and the water adsorption of plant seeds. In the present paper the authors tried to investigate the underlying changes in the metabolism of seeds. Maize seeds, peas, sunflower seeds and wheat grains were used for the experiment. The seeds were moistened and, when sprouting, were exposed to radiation at a rate of 15 r/min. After exposure, the seeds were grown in tap water at 25°C in the dark, The dehydrogenase activity and the respiration rate were estimated in

Card 1/2

The influence of x rays ...

\$/858/62/000/001/011/013 D296/D307

a Warburg apparatus. The dehydrogenase activity was estimated in sections through the cotyledons of 1 μ thickness by the method of Markh and Fel'dman (Biokhimiya, v. 22, no. 6, 1957). The oxidase activity was measured by the method of Povolotskaya (Biokhimiya, v. 20, 1956) in buffered eluates. The results showed that small doses of radiation (500r) increased the respiration together with the activity of the glucodehydrogenase and also to a lesser extent primarily the activity of isocitric acid dehydrogenase and - to a lesser degree - of glucodehydrogenase. All doses between 500 and larly of ascorbin-oxidase, but the peroxidase activity remained unchanged. Large doses inhibit the hydrolysis of storage substanhydrolysis of fat became more intensive under these circumstances.

ASSOCIATION: Kafedra fiziologii rasteniy L'vovskogo universiteta (Department of Plant Physiology, L'vov University)

Card 2/2

3/858/62/000/001/012/013 D296/D307

2/10/24

1.520

AUTHORS: Grebinskiy, S. O., Gadzevich, L. I. and Bodnar, I. I.

TITLE: The influence of x rays upon the growth and yield of

root crops

SOURCE: L'vov. Universytet. Problemna lyaboratoriya radiobiolo-

hiyi. Biologicheskoye deystviye radiatsii, no. 1, 1962,

TEXT: Earlier studies (P. A. Vlasyuk, Rost rasteniy (The Growth of Plants), Izv. L'vovskogo un-ta, 1959, 363-370) had shown that treatment of sugar beets with radioactive isotopes stimulates the growth of the crop. The authors decided to study the effect of x rays. It was assumed that the expected influence would be more marked if sprouting scedlings were exposed rather than the inactive dry seeds. The seeds were moistened and when they had begun to sprout they were exposed to x rays from a distance of 2 m at a rate of 1000 r/min. The mature roots were weighed and compared with the weight of nonirradiated roots which served as the control.

Card 1/2

\$\858\62\000\001\012\013 D296/D307

The influence of x rays ...

Exposure of sprouting seedlings to doses between 500 and 1000 r was found to lead to a significant increase in the yield of sugar beets, carrots and marrows. Irradiation of dry seeds, conversely, decreased the yield and the average weight of the roots. After exposure to radiation, the roots had a somewhat higher proportion of parenchymatous tissue which led to a slight decrease in the sugar content. There are 6 tables.

ASSOCIATION: Kafedra fiziologii rasteniy L'vovskogo universiteta (Department of Plant Physiology, L'vov University)

Card 2/2

GREBENSKOUN. P.

LOLENKO, A.K., inzhener; SHATILOV, K.V., inzhener; NOSOV, V.A., inzhener; POLOZKOV, A.A., kandidat tekhnicheskikh nauk; GREBENSKOV, H.P., inzhener.

Determining forces acting upon parts of the cutting apparatus in harvesting large-stemmed crops. Sel'khozmashina no.9:19-21 S '56. (MLRA 9:11)

1. Zavod Rostsel¹ mash.
(Harvesting machinery)

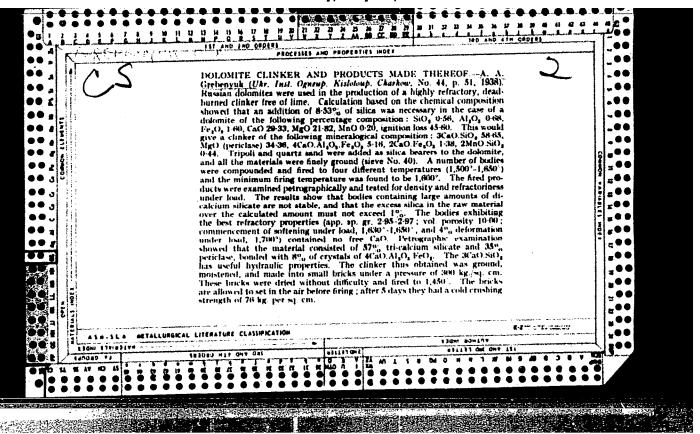
GIREENCKOVA, M. P.

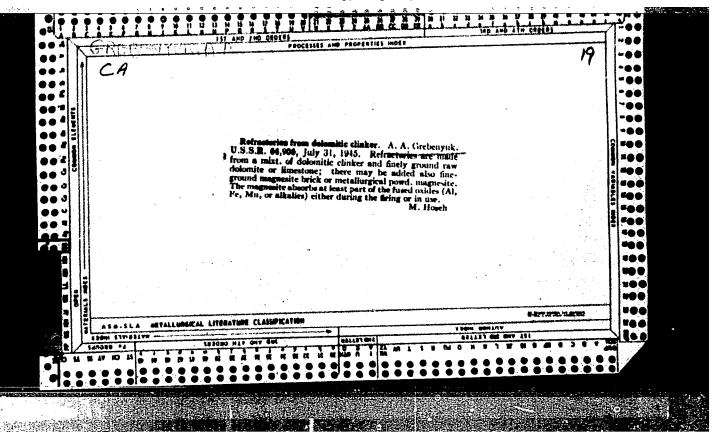
trol of the Central Mater Supply at Populated Places." Rostov na Donu State Medical Inst. Restov na Donu, 1955. (Dissertation for the Degree of Candidate in Medical Sciences)

SO: Knizhnaya Letopis', No 1, 1956

GREBENTSOV, F.F., fel'dsher (derevnya Polyany Oshmyanskogo rayona, Kolodechnenskoy oblasti)

First aid centers in field tilling brigades. Fel'd. i akush.
25 no.3:48 Mr *60. (MIRA 13:6)
(MOLODECHEO PROVINCE--AGRICULTURAL LABORERS--MEDICAL CARE)





sov/137-59-4-7388

Translation from: Referativnyy zhurnal, Metallurgiya, 1959, Nr 4, p 6 (USSR)

AUTHORS: Gre

Grebenyuk, A.A., Zhuravleva, Z.I.

TITLE:

The Manufacture of Large-Capacity High-Alumina Crucibles and Their

Testing in Operation

PERIODICAL:

Sb. nauchn. tr. Vses. n.-1. in-ta ogneuporov, 1958, Nr 2, (49),

pp 159 - 176

ABSTRACT:

The authors investigated the effect of small admixtures of TiO₂ and ZrO₂ on alumina sintering and on properties of high-alumina crucibles. A technology was developed to obtain high-alumina crucibles cast of dross at relatively low reasting temperatures and to manufacture

dross at relatively low reasting temperatures and to manufacture packings for the lining of vacuum induction furnaces up to 170 kg capacity. Cast high-alumina crucibles were made of alumina with addition

of 1% TiO₂ or 2% ZrO₂ + 1% TiO₂; the dross humidity was 32.3 and 31.7%, specific weight 1.97 and 1.98 g/cm³, pH 3.59 and 3.0 respectively. The high-alumina crucibles were dried down to 0.23 - 0.66% humidity, and were roasted at 1,600°C for eight hours. From the same material briquets were

Card 1/2

roasted at 1,600°C for eight hours. From the same material briquets were made for packings, which were crushed, until the following fractions were

sov/137-59-4-7388

The Manufacture of Large-Capacity High-Alumina Crucibles and Their Testing in Operation

obtained: (in mm) 10% of 4 - 2 fraction, 35% of 2 - 1 fraction, 15% of 1 - 0.5 fraction and 40% of < 0.5 fraction. High-alumina crucibles from dross of two compositions, tested in an induction furnace at a metal temperature of < 1,600°C after 18 and 13 smelts respectively, did not exhibit cracks, shrinkage cavities and other changes in their appearance. Analogous conditions were stated in high alumina crucibles made of packing material, that were tested under similar conditions after 14 and 10 smelts.

Ya.G.

Card 2/2

AUTHOR: Grebenyuk, A.A. 132-58-7-9/13

TITLE: Columnar Drilling Machine "DT 10 - 89" for Drilling Through Coal Layers (Kolonkovyy snaryad DT 10 - 89 dlya prokhodki

ugol'nykh plastov)

PERIODICAL: Razvedka i Okhrana nedr, 1958, Nr 7, pp 50-53 (USSR)

ABSTRACT: To obtain high grade core samples of coal, many types of tubes were proposed. Each had some defect. The author describes a columnar drilling machine which he invented in

1952 and is called "DT 10 - 89". A detailed description of the apparatus is given. It has many advantages in comparison with other systems: it secures the flushing of the bore hole before drilling through the sample receiver, drills through the coal layers with a drilling fluid; protects the sample from destruction, etc. There is I diagram and I

table

ASSOCIATION: Tomskiy politekhnicheskiy Institut (The Tomsk Politechnic

Institute)

1. Coal--Sampling 2. Drilling machines--Equipment 3. Drilling

machines--Performance 4. Drilling fluids--Applications

Card 1/1

· 15 (2)
AUTHORS:

Grebenyuk, A. A., Zhuravleva, Z. I.

SOV/131-59-7-7/14

TITLE:

Production of Highly Refractory Materials on the Basis of Zirconium Dioxide (Polucheniye vysokoognaupornykh izdeliy na

osnove dvuokisi tsirkoniya)

PERIODICAL:

Ogneupory, 1959, Nr 7, pp 319-325 (USSR)

ABSTRACT:

Among the many papers dedicated to the production of highly refractory materials on the basis of zirconium dioxide, the paper by Tsynkina is mentioned here. In the present article, the authors put forward the working results of the precision of the technology of zirconium products with sintered pieces. The production of zirconium materials directly from raw-material mixtures is described, the mixtures representing silts, the properties of which are indicated in table 1. The physical-ceramic properties of the burnt samples of raw-material mixtures are shown in table 2. The petrographic investigations were carried out by N. V. Gul'ko (Footnote 1). The production of zirconium materials from thermally treated mixtures is also described. The weight by volume and the porosity of the burnt briquette are indicated in table 3. The properties of the silts from briquetted and thermally treated mixtures on the basis of

Card 1/2

Production of Highly Refractory Materials on the Basis of Zirconium Dioxide

SOV/131-59-7-7/14

ZrO₂ are given in table 4. The physicochemical properties of burnt products from previously heat-treated briquetted mixtures on the basis of ZrO₂ are indicated in table 5. The principal manufacturing scheme of products on the basis of ZrO₂ is shown in the figure. Conclusions: The possibility of producing materials with dense pieces on the basis of zirconium dioxide is pointed out in three different ways. It is recommended to manufacture all three types of the products. There are 1 figure, 5 tables, and 8 references, 6 of which are Soviet.

ASSOCIATION:

Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov (Ukrainian Scientific Research Institute of Refractories)

Card 2/2

GREBENYUK, A. A.

Cand Tech Sci - (diss) "Analysis of the effect of basic factors on the exiting of coal core with the purpose of establishing foundations for designing dual coring /kolonkobyy/ apparatus." Tomsk, 1961. 16 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Tomsk Order of Labor Red Banner Polytechnic Inst imeni S. M. Kirov, Chair of Prospecting Techniques); 150 copies; price not given; (KL, 6-61 sup, 216)

SULAKSHIN, S.S.; GREBENYUK, A.A.

Analysis of the factors affecting the core extracted by double coring tools in coal mining. Izv. vys. ucheb. zav.; geol. i razv. 4 no.3:115-125 Mr. 161. (MIRA 14:6)

1. Tomskiy politekhnicheskiy institut.
(Coal—Analysis) (Core drilling)

SULAKSHIN, S.S., GREBENYUK, A.A.; BABUROV, V.I.; POBEZHIMOV, N.F., ROZHKOV, V.P.; KURAMENKOV, V.G.

Development and introduction of the BKS-1-TPI double core drill. Razved.1 okh. nedr 29 no.1:57-59 Ja '63. (MIRA 16:2)

1. Tomskiy politekhnicheskiy institut. (Core drilling-Equipment and supplies)

ACC NR: AP7005313

(A)

SOURCE CODE: UR/0131/67/000/001/0050/0055

AUTHOR: Karaulov, A. G.; Grebenyuk, A. A.; Rudyak, I. N.

ORG: Ukrainian Scientific Research Institute of Refractories (Ukrainskiy nauchno-issledo-vatel'skiy institut ogneuporov)

TITLE: Effect of stabilizing additives on the thermal resistance of zirconia products

SOURCE: Ogneupory, no. 1, 1967, 50-55

TOPIC TAGS: zirconium compound, refractory product, calcium oxide, mugnesium oxide, phase composition

ABSTRACT: The effect of such stabilizing agents as chalk containing 53.8% CaO (calcination loss 42.48%) and magnesium oxide containing 75.2% MgO (calcination loss 10%) on the heat resistance and mechanical properties of zirconia products was investigated. Briquets of zirconia (97.15% ZrO₂ + HfO₂, with traces of SiO₂, Al₂O₃, TiO₂, Fe₂O₃, CaO, MgO) treated with these stabilizing agents were fired in a flame furnace at 1750°C, pulverized in a jaw crusher, subjected to magnetic separation to remove iron. The resulting powder was subjected to x-ray phase analysis and tests of refractoriness at ~2400-2600°C. Findings: zirconia

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ACC NR: AP7005313

products with satisfactory heat resistance can be obtained provided that the amount of the monoclinic phase in fired specimens prepared from granular compositions should be at least 15%. It is further established that as the CaO content increases from 7.0 to 20 mol.% the heat resistance of ZrO_2 products decreases. The addition of up to 20% of monoclinic ZrO_2 to the charge enhances heat resistance in inverse proportion to the amount of CaO present in the stabilized part of the material. This is due to the additional stabilization of zirconia by the CaO migrating from the stabilized grain to the monoclinic ZrO_2 . Additional stabilization of monoclinic ZrO_2 is also observed on cyclic heating from 20 to 1600°C and back to 20°C. Specimens of CaO-stabilized zirconia display a higher heat resistance than specimens of MgO-stabilized zirconia, given an equal content of monoclinic phase. Orig. art. has: 3 figures, 4 tables.

SUB CODE: 11, 20, 65/ SUBM DATE: none/ ORIG REF: 022/ OTH REF: 010

Condensation of allyleyanide with burstene Synthesis of derivatives of 2 phenytholyric acid. I. P. Postevranik and the phenytholyric acid. I. P. Postevranik and the phenytholyric acid. I. P. Postevranik and the phenytholyric acid. I. P. Postevranik and phenytholyric acid. Industry. Industr

GREBENYUK, A. D.

USSR/Chemistry - Alkylation

Sep 52

"Cycloalkylation of Aromatic Compounds. V. Synthesis of Trans-1-methyl-4-phenylcyclohexane,"
N. G. Sidorov, A. D. Grebenyuk

"Zhur Obshch Khim" Vol 22, No 9, pp 1550-1552

Hydrogenation of 4-methyl-1-phenylcyclohexene at 180° in the presence of Raney Ni results in the formation of the trans isomer of 1-methyl-4-phenylcyclohexane. The acetoamino and benzamino derivs of trans-1-methyl-4-phenylcyclohexane were obtained.

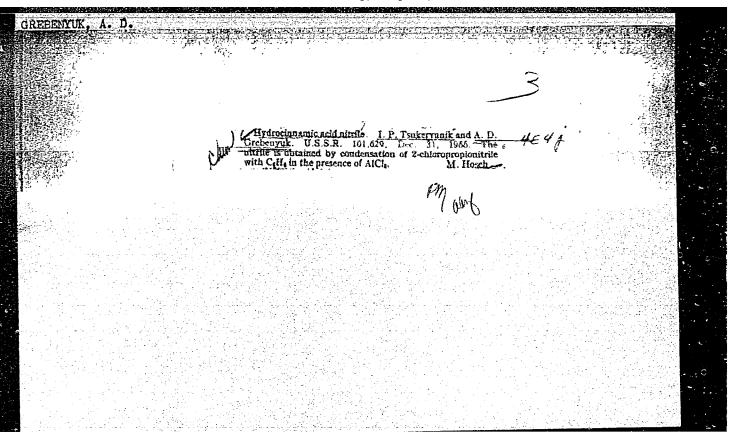
232721

CREBENYUK, A. Chemical Abst.	<u></u>	<u> </u>	(a) chem	
Vol. 48 No. 8 Apr. 25, 1954 Organic Chemistry		Cycloalkylation of aromati of traps-1-methyl-4-phenylcy and 4. D. Grebenyuk. J. 1591-3(1952):—See C.A. 47,	c compounds V clohexane. N. Gen. Chem. (U 8025d.	Synthesis G. Sidorova S.S.R.) 22, H. L. H.
		•		11-11-mag
			•	

GREBENYUK, A. P.

Dissertation: "Cyanoethylization of the Nucleus of Aromatic Compounds." Cand Chem Sci, Central Asia State U, Tashkent, 1954. (Referativnyy Zhurnal, Khimiya, Moscow, No. 16, Aug 54)

SO: SUM 393, 28 Feb 55



GREBENYUK, A.D.; TSUKERVANIK, I.P.

Cyanoethylation of the ring in aromatic compounds. Zhur.ob.khim. 25 no.2:286-293 F '55. (MLRA 8:6)

1. Srednesziatskiy Gosudarstvennyy universitet. (Cyanoethylation) (Aromatic compounds)

GREBENYUK, A.D.; TSUKERVANIK, I.P.

Condensation of nitrile of yyy-trichlorocrotonic acid with benzene in the presence of aluminum chloride. Zhur.ob.khim. 28 no.9: (MIRA 11:11)

1. Sredenessiatskiy gosudarstvennyy universitet.
(Crotonic acid) (Bensene)

GREBENYUK, A.D.; KHOLMATOV, M.; TSUKERVANIK, I.P.

Reactions of nitroclefins with aromatic compounds in the presence of acid catalysts. Part 1: Condensation of B -nitrostyrene with benzene in the presence of aluminum chloride. Zhur.ob.khim.

32 no.8:2654-2657 Ag '62. (MIRA 15:9)

(Styrene) (Benzene)

GREBENYUK, A.D.; LADANOVA, A.; TSUKERVANIK, I.P.

Reactions of nitroolefins with aromatic compounds in the presence of acid catalysts. Part 2: Condensation of 1,1,1-trichloro-3-nitro-2-propens with benzene in the presence of aluminum chloride. Zhur.ob.khim. 33 no.2:490-493 F '63.

(MIRA 16:2)

(Propene) (Benzene) (Aluminum chloride)

GREBEHYUK, A.D.; YAGUDAYEV, M.R.

Infrared spectra of the condensation products of // -trichlorocrotonic acid nitrile with benzene in the presence of
aluminum chloride. Zhur.ob.khim. 33 no.10:3253-3257 0 163.

(MIRA 16:11)

1. Tashkentskiy gosudarstvennyy universitet im. V.I.Lenina i Institut khimii rastitel nykh veshchestv AN UZSSR.

GREBENYUK, A.D.; ZAYTSEVA, N.; LOGUNOVA, T.

Reactions of nitroolefins with aromatic compounds in the presence of acid catalysts. Part 3: Condensation of β -nitrostyrene with toluene in the presence of BF₃ and BF₃. H₃ PO₄. Zhur. org. khim. 1 no.4:691-696 Ap. 65. (MIRA 18:11)

1. Tashkentskiy gosudarstvennyy universitet.

HELOTON', S.M. [Bilokon', S.M.]; GREBENYUK, A.F. [Hrebeniuk, A.F.]; MURMILOV, A.V.; KONOMENKO, V.Ie. [Konomenko, V.IE.]

Effect of the heating time on the yield of the product in the semicoking of Donets gas coals with a solid heat exchanger. Zbir. prats' Inst. tepl. AN URSR no.25:16-24 '62. (MIRA 17:1)

GREBENVUK, A. T.

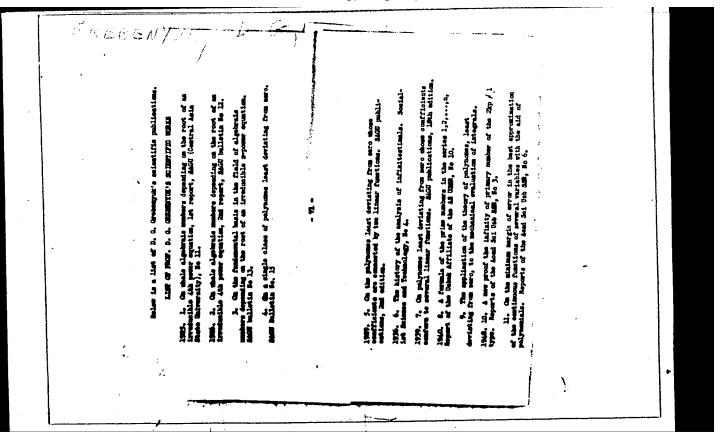
IL'YENKO, M.S.; GREBENYUK, A.I.; NIKOL'SKIY, D.N.; STANISLAVSKIY, N.A., inshener, redaktor; BAYBAKOV, A.B., laureat Stalinskoy premii, inshemer, retsensent.

[Calculation and design of gears, worm gears and reduction gears; a handbook] Raschet i proektirovanie zubchatykh i cherviachnykh peredach i reduktorov; spravochnoe rukovodstvo. Kiev, Gos. nauchnotekhn. izd-vo mashinostroit. i sudostroit. lit-ry. [Ukr. otd-nie] 1953. 589 p. (MLRA 7:7) (Gearing--Handbooks, manuals, etc.)

CREEENYUK, A. Z.

GHEBENYUK, A.Z.: "The combined fattening of youn; cattle with succulent fodder". Moscow, 1955. All-Union Sci Res Inst of Animal Husbandry. (Dissertation for the Degree of Candidate of AGRICULTRUAL Sciences)

SO: Knizhnaya Letopis' No. 51, 10 December 1955



GREBENYUK, D.G.

Grebenyuk, D. G. - "On the existence of polynomials with the least deviation from zero along the segment (a, b) where L equals & ", Doklady Akad. nauk UzSSR, No. 9, 1948, p. 3-7

SO: U-3042, 11 March 1953, (letopis Statey, No. 10, 1949).

GREBENYUK, D.G., professor.

Construction of certain uniform approximations. Trudy Inst.mat.1
mekh. AN Us.SSR no.5:20-29 149. (MLRA 6:12)

(Approximate computation) (Polynomials)

GREBENYUK, D., kandidat fiziko-matematicheskikh nauk.

Minimum of certain integrals. Trudy Inst.mat.i mekh. AN Uz.SSR no.5: 111-118 49. (MLRA 6:12) (Integrals)

GREBENYUK, D. C.

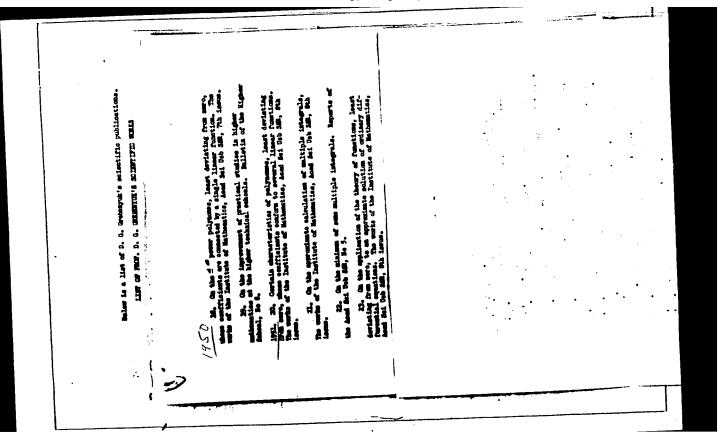
28188

O predstavlenii tselago chisla "P" v vide summy arefmeticheskoy progressii s polozhitel nymi chlena mi i polozhitel nov Raznost yu. Doklady Akad nauk N3CCR, 1949, N6, s. 3-6. Rezyhme na uzbek yaz.

GREBELYUK, D.G. About presentation of full calculus "N" in the realty of sum of the arithmetical's progress with it, positive members and positive differential. Report of the Academy of Science. UzSSR, 1949, #6 page 3-6. Resume made in uzbekovskey language.

SO. LETOPIS NO. 34

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051662



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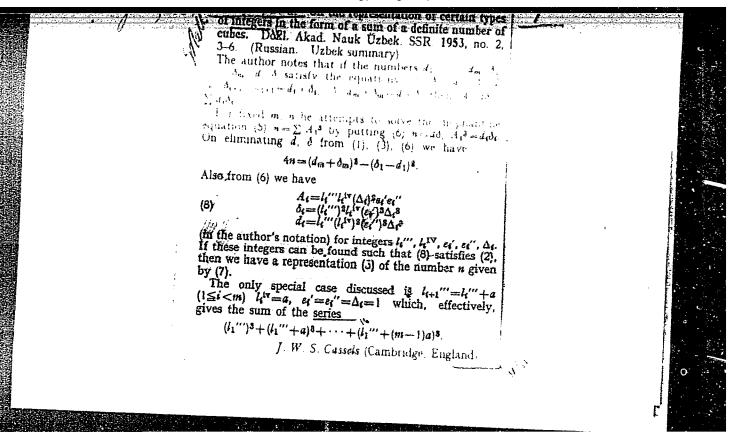
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			The Friends at the second seco
GIEBENYUK, D. G.	a com-		
USSR/Mathematics - Interpolation "A Method of Interpolating," D. G. Grebenyuk Tr Inst Mat i Mekh, Ak Nauk Uzbek SSR, No 9, pp 15-28	Illustrates a simple method for finding the interpolational polynomial phi $\phi(x) = C_1 + C_2 \times + \cdot + C_n \times n$ polational polynomial phi $\phi(x) = C_1 + C_2 \times + \cdot + C_n \times n$ that deviates the least from a function $f(x)$ given on an interval, which gives much better results than Lagrange interpolation; e.g. $(x+3)^2 \approx 1.7196 + 0.2929 \times (for n=2)$, or $1.7321 + 0.2889 \times -0.0250 \times + 0.0039 \times (for n=2)$, or $1.7321 + 0.2889 \times -0.0250 \times + 0.0039 \times (for n=2)$, or interval $f(x) = f(x) = $	(x+y+3)½ ≈ 1.7320+0.2680x+0.2680y-0.0319xy. in unit rectangle in quadrant I with corner at origin. Cites Shnirel'man ("Certain Uniform Approximations, Iz Ak Mauk SSSR, Ser Matemat, No 2, 1939).	248 r 93

	,	PA 248T94
USSR/Mathematics - Approximations 1952 "Construction of Formulas for Approximately Comsenting bouble Integrals in the Region (D) Representing the Circle $x^2 + y^2 = k^2$, D. G. Grebenyuk Tr Inst Mat i Melch, Ak Nauk Uzbek SSR, No 9, Particularizes and illustrates general formulas developed in his previous work ("Approximate Computation of Integrals of Various Multiplicity by Polynomials Deviating the Least from Zero," ibid. Ro 6 (1950)); e.g. $\int (D)f(x,y)dxdy \approx \pi k^2 f(0,0)$,	or better, $\frac{1}{2}\pi k^2 I(k,0) + f(-k,0)$, and better still $I(\frac{1}{2}k,\frac{1}{2}k) + f(\frac{1}{2}k,\frac{1}{2}k) + f(-\frac{1}{2}k,\frac{1}{2}k) + f(\frac{1}{2}k,\frac{1}{2}k) + f(\frac{1}{2}k,\frac{1}{2}k,\frac{1}{2}k) + f(\frac{1}{2}k,\frac{1}{2}k,\frac{1}{2}k) + f(\frac{1}{2}k,\frac{1}{2}k,\frac{1}{2}k,\frac{1}{2}k) + f(\frac{1}{2}k,\frac{1}{2}k,\frac{1}{2}k,\frac{1}{2}k) + f(\frac{1}{2}k,\frac{1}{2}k,\frac{1}{2}k,\frac{1}{2}k,\frac{1}{2}k) + f(\frac{1}{2}k,\frac{1}$	248፻94

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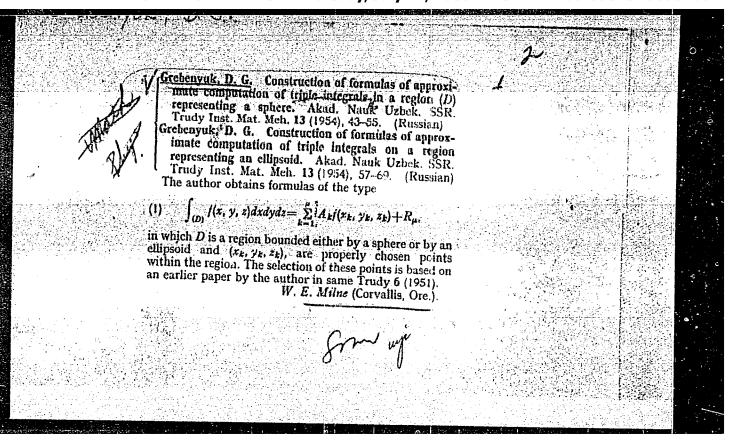
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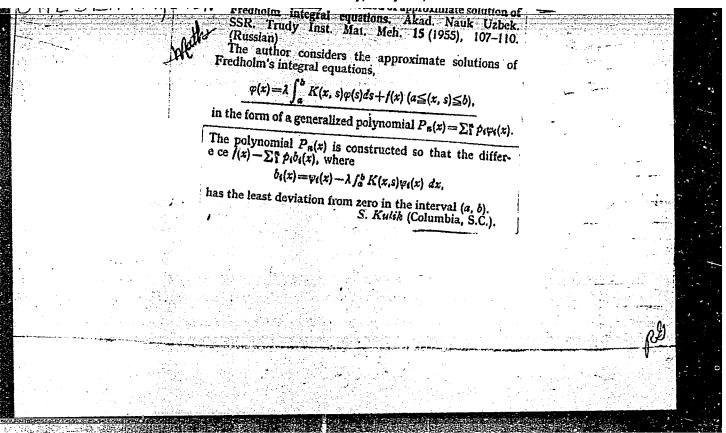


Certain theorems concerning polynomials in several variables with the least deviation from a given function, whose coefficients are connected by several linear dependences. Trudy Inst. mat.i mekh. AN Uz.SSR no.10:

(Polynomials)

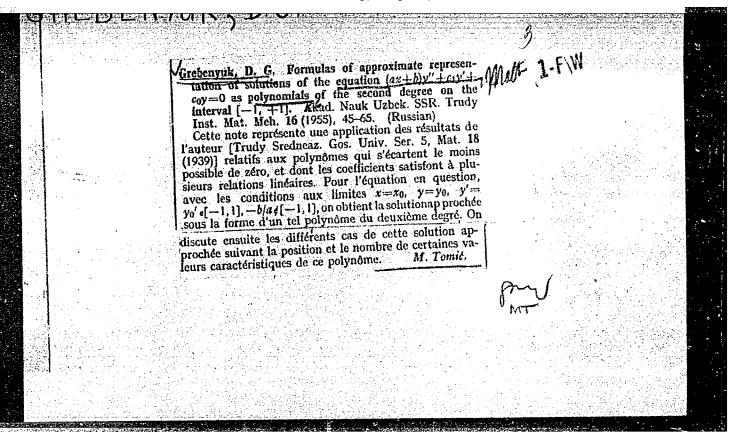
(MIRA 8:4)

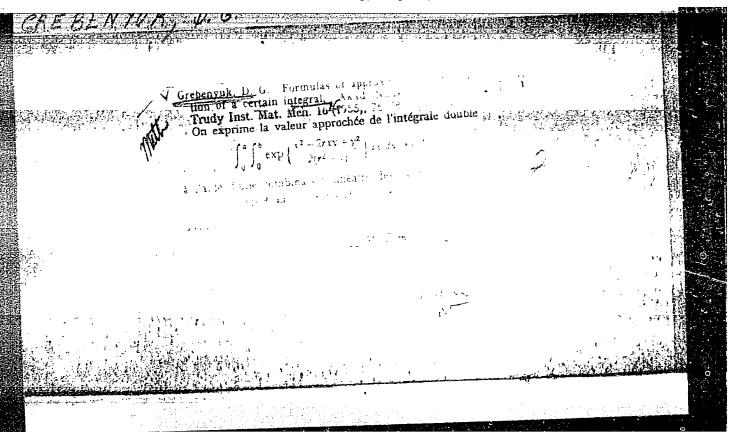




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CIA-RDP86-00513R00051662





GREBENYUK, D.G.

Polynomials, deviating least from a given function and coefficients of which are connected by m-linear dependencies. Trudy Inst. mat. i mekh. AH Uz. SSR no.17:127-148 '56. (MLRA 10:4) (Polynomials)

GREBENYUK, D.G.

Formulas for approximating the value of an integral with two infinite limits. Dokl. AN Uz. SSR no.9:5-11 '57. (MIRA 11:5)

> l. Institut matematiki i mekhaniki im. V.I. Romanovskogo AN UzSSR. Predstavleno akademikom AN UzSSR T.N. Kary-Niyazovym. (Integral equations)

Marita Jan.

GREBENYUK, D.G.

Errors in certain quadrature formulas with two infinite limits..

Dokl. AN Uz. SSR no.12:5-7 '57. (MIRA 11:5)

1.Institut matematiki i mekhaniki im. V.I. Romanovskoge AN UzSSR. Predstavleno akad. AN UzSSR T.N. Kary-Niyazovym. (Polynomials) (Integrals)

GREBENYUK, D.G.

Theory of whole algebraic numbers depending on the root of an irreducible fourth-power equation. Izv. AN Uz. SSR. Ser.fiz.-mat.nauk no.6:27-47 158. (MIRA 12:2)

1. Institut matematiki i mekhaniki AN UzSSR. (Numbers, Theory of)

GREBENYUK, D.G.

1. Institut matematiki i mekhaniki imeni V.I. Romanovskogo. (Integrals) (Polynomials)

16(1) AUTHOR:

Grebenyuk, D.G.

SOV/166-59-1-7/11

TITLE:

On the Approximate Solution of Fredholm Integral Equations (K priblizhennomu resheniyu integral'nykh uravneniy Fredgol'ma)

PERIODICAL: Izvestiya Akademii nauk Uzbekskoy SSR, Seriya fizikomatematicheskikh nauk, 1959, Nr 1, pp 63-68 (USSR)

ABSTRACT:

For the solution of the equation

$$\varphi(x) = \lambda \int_{a}^{b} K(x,s) \varphi(s) ds + f(x),$$

where the kernel is continuous in $a \le x \le b$, $a \le s \le b$ and af(x) is continuous on [a,b] it is put

to L.G.Shnirel'man $\int \text{Ref } 2 / \text{The problem leads to an approximation problem for } f(x) on [a,b] . For the determination of the$ parameters p, there serves a certain system of equations. In

Card 1/2

On the Approximate Solution of Fredholm Integral Equations

SOV/166-59-1-7/11

this manner the author calculates explicitly the example

$$\varphi(x) = \lambda \int_{0}^{1} xt \varphi(t)dt + e^{x}$$

with $\varphi(x) = p_1 + p_2 x$ and with $\varphi(x) = p_1 + p_2^{x} + p_3^{e^{x}}$.

There are 2 Soviet references.

ASSOCIATION: Institut matematiki i mekhaniki AN Uz SSR (Institute of Mathematics and Mechanics AS Uz SSR)

SUBMITTED: July 12, 1958

Card 2/2

06379 SOV/166-59-5-6/9 16(i);16(2) AUTHOR: Grebenyuk, D.G. TITLE: On Some Weighted Polynomials Deviating Least From Zero in (0,+00) PERIODICAL: Izvestiya Akademii nauk Uzbekskoy SSR, Seriya fizikomatematicheskikh nauk, 1959, Nr 5, pp 49-63 (USSR) Let ABSTRACT: $f(x) = e^{-\frac{\pi}{2}} p(x),$ (1) where $p(x) = p_0 + p_1 x + ... + p_n x^n$ satisfies the condition $\omega(p) = \alpha_0 p_0 + \alpha_1 p_1 + \dots + \alpha_n p_n = 1,$ where the α_i are given real numbers. Let $L_f = \max_i |f(x)|$. Let $L = \min_{f} L_{f}$. Functions (f) for which $L_{f} = L$ are denoted as weighted polynomials deviating least from zero in $[0,\infty]$. Principal theorem: In order that f(x) deviates least from zero in $[0,\infty]$ it is necessary and sufficient that there exists no weighted polynomial $g(x) = e^{-\frac{\pi}{2}} q(x)$, $q(x)=q_0+q_1x+...+q_nx^n$ for which the numbers $T(x_1)$, $T(x_2)$,..., $T(x_k)$ are different Card 1/2

On Some Weighted Polynomials Deviating Least From Zero SOV/166-59-5-6/9 the Interval $[0,+\infty]$

from zero and of the same sign. Here it holds

(5) $\mathbf{C}(\mathbf{x}_i) = \mathbf{W}(\mathbf{q})\mathbf{L}_f^2 - \mathbf{f}(\mathbf{x}_i)\mathbf{g}(\mathbf{x}_i), \quad i=1,2,...,n;$ the \mathbf{x}_i are points where $|\mathbf{f}(\mathbf{x})| = \mathbf{L}_f$.

The proof is the same as for polynomials $e^{\frac{1}{2}}p(x)$ in $\sqrt{Ref 2}$. Two further theorems and a series of conclusions are given.

The results serve for the approximate calculation of $\int_{-\infty}^{\infty} f(x)dx$.

The author mentions Ya.V. Uspenskiy. There are 2 Soviet references.

ASSOCIATION: Institut matematiki imeni V.I. Romanovskogo AN Uz SSR (Institute of Mathematics imeni V.I.Romanovskiy AS Uz SSR)

SUBMITTED: March 6, 1959

Card 2/2

16.4100

S/044/61/000/007/010/055 C111/C222

AUTHOR:

Grebenyuk, D.G.

TITLE:

On some weighted polynomials of degree

n deviating least from zero on the interval $(-\infty, +\infty)$, and the coefficients of which are connected by some linear relations

PERIODICAL: Referativnyy zhurnal. Matematika, no. 7, 1961, 10, abstract 7 B 39. ("Issled. po matem. analizu i mekhanike v Uzbekistane". Tashkent, AN Uz SSR, 1960, 30-69)

TEXT:

The author considers the set of functions
$$f(x) = e^{-\frac{x^2}{2}} p_n(x) ,$$

where $p_n(x) = \sum_{k=0}^{n} p_k x^k$ is a polynomial of at most n-th degree the real coefficients of which are connected by the linear relations Card 1/2

On some weighted polynomials ... S/044/61/000/007/010/055

$$\omega_1(p) = \sum_{k=0}^n \alpha_k p_k = \varepsilon_1$$
, $\omega_2(p) = \sum_{k=0}^n \beta_k p_k = \varepsilon_2$.

4

Here $\{\alpha_k\}$, $\{\beta_k\}$ are given real numbers, ϵ_1 and ϵ_2 are equal to 0 or 1 and $\epsilon_1^2 + \epsilon_2^2 > 0$. The author gives certain relations being necessary and sufficient in order that the function f(x) deviates least from zero on the whole real axis, i.e. in order that the maximum of the weighted deviation of the polynomial $p_n(x)$ from zero is minimal. The author considers the example : n=2, $\omega_1(p)=p_0-p_1+p_2=1$, $\omega_2(p)=-p_0-2p_1+2p_2=1$; the polynomial $p_2^*(x)=\frac{1}{3}(1-x+x^2)$

 $w_2^{(p)} = -p_0 - 2p_1 + 2p_2 = 1$; the polynomial $p_2^{\pi}(x) = \frac{1}{3}(1 - x + x^2)$ is extremal. Conditions found by the author in the case of two relations

of coefficients are extended to the case of m<n relations. Abstracter's note: Complete translation.

Card 2/2

16.4100

29842 \$/044/61/000/007/011/055 C111/C222

AUTHOR:

Grebenyuk, D.G.

TITLE:

On polynomials of several variables the coefficients of which are connected by some linear relations and which deviate least from a given function in a region (D).

PERIODICAL: Referativnyy zhurnal. Matematika, no. 7, 1961, 10, abstract 7 B 40. ("Issled. po matem. analizu i mekhanike v Uzbekistane", Tashkent, AN Uz SSR, 1960, 70-83)

TEXT: The author considers polynomials of two variables

$$p(x,y) = \sum_{r_1r_2} p_{r_1r_2} x^{r_1} y^{r_2}$$
 $(r_1 + r_2 = 0,1,..., n)$

H

with real coefficients which are connected by two linear relations

$$\omega_{1}(p) = \sum \alpha_{r_{1}r_{2}} p_{r_{1}r_{2}} - \epsilon_{1}, \quad \omega_{2}(p) = \sum \beta_{r_{1}r_{2}} p_{r_{1}r_{2}} = \epsilon_{2}, \quad (1)$$

Card 1/2

29842 S/044/61/000/007/011/055 On polynomials of several variables ... C111/C222

where $\left\{ \begin{array}{c} \leftarrow \\ \mathbf{r_1} \mathbf{r_2} \end{array} \right\}$, $\left\{ \begin{array}{c} \mathbf{g} \\ \mathbf{r_1} \mathbf{r_2} \end{array} \right\}$ are two given systems of real numbers,

 \mathcal{E}_1 and \mathcal{E}_2 are equal to 0 or 1. The author gives conditions that a polynomial of this type deviates least from a given function $\varphi(x,y)$ in a region (D), i.e. in this region it yields the best approximation of this function among all polynomials of the given degree which satisfy (1). As an example he considers the function $\psi = \sqrt{x_1 + y_2}$ in the region 0 to the had approximation.

[Abstracter's note : Complete translation.]

Card 2/2

29843 5/044/61/000/007/012/055

16.2600

AUTHOR:

Grebenyuk, D.G.

TITLE:

On the minimum of some integrals with infinite boundaries

PERIODICAL: Referativnyy zhurnal Matematika, no. 7, 1961,10, abstract 7 B 41 ("Issled. po matem. analizu i mekhanike v Uzbekistane". Tashkent, AN Uz SSR, 1960, 84-85)

TEXT: The author considers the problem: The value of the integrals

$$\int_{-\infty}^{\infty} e^{-x^2} r(x) x^k dx = \mathcal{L}_k \qquad (k = 0, 1, ..., n)$$

is known, where r(x) is an unknown function; determine the minimum of the integral

$$I = \int_{-\infty}^{\infty} |\mathbf{r}(\mathbf{x})| d\mathbf{x}$$

Card 1/2

29843 s/044/61/000/007/012/055 c111/c222

On the minimum of some integrals ...

under the condition $\sum_{k=0}^{\infty} \propto \frac{2}{k} > 0$; the author shows that the minimum

does not exist.

Reviewer's remark:

1) In the formulation of the problem it should be said in which class of functions the solution is sought;

2) it should be spoken about inf I and not about the minimum;

3) the author does be spoken about inf I and not about the minimum for I but for the weighted integral not prove the absence of the minimum for I but for the weighted integral

 $1' = \int_{-\infty}^{\infty} e^{-\frac{x^2}{3}} |r(x)| dx .$

[Abstracter's note & Complete translation.]

Card 2/2

ORRBENYUK, D.G.; ARZHANYKH, I.S., otv.red.; YAKOVENKO, Ye.P., red.izd-va; GOR'KOVAYA, Z.P., tekhn.red.

[Polynomials of optimum approximation whose coefficients are bound up by linear relationships] Polinomy nailuchahego priblizheniia, koeffitsienty kotorykh sviazeny lineinymi zavisimostiami. Tashkent, Izd-vo Akad.nsuk Uzbekskoi SSR, 1960. 235 p. (MIRA 14:4)

1. Chlen-korrespondent AM UzSSR (for Arzhanykh). (Polynomials)

GREBENYUK, D.G.

PHASE I BOOK EXPLOITATION SOV/4796

- Akademiya nauk Uzbeksoy SSR, Tashkent. Institut matematiki i mekhaniki
- Issledovaniya po matematicheskomu analizu i mekhanike v Uzbekistane (Research in Mathematical Analysis and Mechanics in Uzbekistan) Tashkent, Izd-vo AN Uzbekskoy SSR, 1960. 259 p. Errata slip inserted. 1,000 copies printed.
- Sponsoring Agency: Akademiya nauk Uzbekskoy SSR. Institut matematiki i mechaniki imeni V.I. Romanovskogo.
- Respired.: I.S. Arzhanykh, Corresponding Member, Academy of Sciences UzSSR; Ed.: LaGa Gaysinskaya; Tech. Ed.: Z.P. Gor'kovaya.
- PURPOSE: This collection of articles is intended for mathematicians, mechanics, asspirants, and students taking advanced courses in divisions of physics and mathematics at universities and pedagogical schools of higher education.
- COVERAGE: The collection contains 17 articles dealing with the results of investigations on the theory of integrating differential equations im mathematical physics and mechanics, the theory of numbers, and the problem of the best approximation of functions. Individual articles discuss elasticity, flow close to a Card 1/4

S/166/61/000/002/006/006 B112/B202

AUTHOR:

Grebenyuk, D. G.

TITLE:

On certain polynomials connected with weight functions in m variables of a degree (n, which deviate minimally from zero and whose coefficients are connected by a linear de-

pendence

PERIODICAL:

Izvestiya Akademii nauk UzSSR. Seriya fiziko-matematicheskikh nauk, no. 2, 1961, 59-75

TEXT: The author considers the following functions:

the author considers the following functions:
$$f(x,y,...,t) = e^{-(1/2)(x^2+y^2+...+t^2)}p(x,y,...,t)$$

with the polynomials p of a degree (n for which the linear dependence

$$\omega(p) = \sum_{k_1 + \dots + k_m = 0, \dots, n} \alpha_{k_1 \dots k_m} p_{k_1 \dots k_m} = 1$$

Card 1/3

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S/166/61/000/002/006/006 B112/B202

On certain polynomials...

exists. The author designates the domain of definition $-\infty\langle x,y,\ldots,t\langle +\infty \rangle$ of the "polynomials" (1) by (D), the maximum of |f| in (D) by L_f and the lower bound of the numbers L_f by L. The "polynomials" f which actually attain the amount L at the points (x_i,y_i,\ldots,t_i) are called "of type (B)" and points (x_i,y_i,\ldots,t_i) are called points of deviation. He proves the following criterion for minimum deviation from zero: In order that a "polynomial" of type (B) deviates minimally from zero on (D) it is necessary and sufficient that no "polynomial":

$$g(x,y,...,g) = e^{-(1/2)(x^2+y^2+...+t^2)}q(x,y,...,t)$$

exists for which the values: $\sigma(\mathbf{x_i},\ldots,\mathbf{t_i}) = \omega(\mathbf{q}) \mathbf{L_f^2} - \mathbf{f}(\mathbf{x_i},\ldots,\mathbf{t_i}) \mathbf{g}(\mathbf{x_i},\ldots,\mathbf{t_i}) \text{ differ from zero at the points of deviation } (\mathbf{x_i},\ldots,\mathbf{t_i}) \text{ and that all have the same sign.}$ From this

Card 2/3

On certain polynomials...

S/166/61/000/002/006/006 B112/B202

theorem, the author derives a series of conclusions and modifications, especially estimations of the bound L. There is 1 Soviet-bloc reference.

ASSOCIATION: Institut matematiki im. V. I. Romanovskogo AN UzSSR

(Institute of Mathematics imeni V. I. Romanovskiy of the

Academy of Sciences Uzbekskaya SSR)

SUBMITTED:

March 18, 1960

Card 3/3

16 6510

1,0534 5/166/62/000/004/001/010 B112/B186

AUTHOR:

Grebenyuk, D. G.

TITLE:

Approximate solution of Fredholm's integral equation with two variables

PERIODICAL: Akademiya nauk Uzbekskoy SSR. Izvestiya. Seriya fizikomatematicheskikh nauk no. 4, 1962, 12 - 16

TEXT: The integral equation

$$\psi(x,y) = \lambda \iint_{BB} K(x,y,s,t) \psi(s,t) ds dt + f(x,y)$$
 (1)

is approximately solved by generalized polynomials $Q_n(x,y) = p_1 \phi_1(x,y) + p_2 \phi_2(x,y) + \dots + p_n \phi_n(x,y)$, where

 $\varphi_{\underline{m}}(x,y) = \psi_{\underline{m}}(x,y) = \lambda \int_{\underline{a}} K(x,y,s,t) \psi_{\underline{m}}(s,t) ds dt$. The functions $\psi_{\underline{m}}$ are given.

According to L. G. Shnirel'man ("Izv. AN SSSR", seriya matem. nauk, 1938, No. 1), the parameters p₁, p₂, ..., p_n are determined by the system

Card 1/3

Card 2/3

Approximate solution of ...

S/166/62/000/004/001/010 B112/B186

The following two examples are considered:

$$\varphi(x,y) = \lambda \iint_{00}^{11} xy ts \varphi(t,s) ds dt + 3xy$$

(6)

and $\varphi(x,y) = \lambda \iint_{00}^{11} xy ts \varphi(t,s) ds dt + x^2 y^2$.

(11)

ASSOCIATION: Institut matematiki im. V. I. Romanovskogo AN UzSSR (Institute of Mathematics imeni V. I. Romanovskiy AS UzSSR)

SUBMITTED: December 30, 1960

Card 3/3

APPROVED FOR RELEASE: Thursday, July 27, 2000 CI

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L 58437-65 ENT(d) IJP(c) CCESSION NR: AR5013631	UR/0044/65/000/004/B131/B131 518:517.948	
OURCE: Ref. zh. Katematika, Abs. 48644		194
UTHOR: Grebenyuk, D. G.		
TTLE: Concerning one method of approximate so olterna type	olution of integral equations of the	
TITED SOURCE: Sb. nauchno-issled. rabot. Tshke	entsk. tekstil'n. in-t. Ser. matem.,	
OPIC TAGS: Volterra equation, integral equation	on, approximate solution	
RANSLATION: The author considers the Volterra	equation	
$\varphi(x) = \lambda \int_{a}^{x} K(x, y) \varphi(y) dy = f(x)$		
oith a kernel that is continuous on [a, b], and approximate solution of the equation is sought	with a right-hand-side term. An in the following fashion. Putting	
φ(x) αριψι(x) + ριψε(x) + · · · + ρι	$i\phi_{n}(x)$, (2)	
가 있는 것이 되었다. 그런 그는 사람들이 되면 해가 되었다면 가장 보고 있다. 그는 사람들이 다른 사람들이 되었다. 그는 사람들이 되었다면 보고 있다. 	: [1] [1] [1] [2] [2] [2] [2] [2] [2] [2] [2] [2] [2	

58437-65 CCESSION NR: AR501 363 1	(2005년 - 1일 12일 12일 12일 12일 12일 12일 12일 12일 12일	
here $\psi_1(x)$, $\psi_2(x)$,,	$\psi_n(x)$ are specified continuous functions and p_1 , p_2 ,,	
_n are unknown coefficien xpression	ts, and substituting (2) in (1), the author obtains an	
		e
	$Q_{\alpha}(x) = \sum_{i=1}^{n} \rho_{i} (\psi_{i} - \lambda) \int_{0}^{x} K(x, y) \psi_{i}(y) dy.$	
	사용 등 경우 전 경우 등 경우 등 전 등 경우 등 경우 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등	ع،
ich contains the coeffi	cients p1, p2,, pn. He obtains these coefficients	
om the condition for th	ie best approximation of $Q_n(x)$ by $f(x)$ on [a. b]. The	
rom the condition for th ≥thods of Bernshteyn and	be best approximation of $Q_n(x)$ by $f(x)$ on $[a, b]$. The Shuirel'man are considered for this purpose. An example	
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CHERNOPYATOV, V.S.; GREBENYUK, D.S.

Device for placing bottles in annealing furnaces. Stek. i ker. 17 no. 11:40-41 H '60. (MIRA 13:12)

GREBENYUK, D.S.

Over-all mechanization for the processing of broken glass. Stek. i ker. 19 no.3:39-40 Mr '62. (MIRA 15:3) (Glass manufacture) (Industrial wastes)

1 11153-66 EWT (m)/EWA (d)/T/EWP(t)/EWP(b) JD/WB

ACC NRI AP6000339

SOURCE CODE: UR/0286/65/000/021/0036/0036

AUTHORS: Volkov, Yu. M.; Grebenyuk, E. A.

ORG: none

TITLE: / A method for obtaining a surface-active agent "sulfopone." Class 23, No. 176030 / Announced by All-Union Scientific Research and Design Institute of Synthetic Fat Substitutes (Vsesoyuznyy nauchno-issledovatel skiy i proyektnyy institut sinteticheskikh zhirozameniteley)

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 21, 1965, 36

TOPIC TAGS: surface active agent, albumen / sulfopone

ABSTRACT: This Author Certificate presents a method for obtaining a surface-active agent based on albumen hydrolizate and chloranhydrides of acids. To broaden the source of raw materials, alkylsulfochlorides are used as chloranhydrides, and the process is conducted at the temperature of 70C and pH of 7.5—8.5.

SUB CODE: 11/ SUBM DATE: 260ct64

C--- 1/1

UDC: 661.185.22

34565

S/044/62/000/001/010/061 C111/C 444

11.4100

Grebenyuk, G.D.

TITLE:

AUTHOR:

On some weightened polynomials of m variables of degree $\leq n$, the least differing from zero, the coefficients of which are connected by a linear relation

PERIODICAL: Referativnyy zhurnal. Matematika, no. 1, 1962, 16, abstract 1 B 92. (Izv. AN Uz SSR, Ser. fiz.-matem. n., 1961, no. 2, 59-75)

TEXT: Considered is the set of the functions of m variables x, y, ..., t

 $f(x,y,...,t) = \exp \left\{-\frac{1}{2}(x^2 + y^2 + ... + t^2)\right\} p(x,y,...,t)$

where $p(x,y,\ldots,t) = \sum_{\substack{k_1+\ldots+k_m \leq n}} p_{k_1 \ k_2 \ldots k_m} x^{k_1} y^{k_2} \ldots t^{k_m}$

is a polynomial of degree ≤ n with real coefficient which are connected by the linear relation Card 1/3

On some weightened polynomials of m ... S/044/62/000/001/010/061

 $(r_1, r_2, \dots, r_m = 0, 1, \dots, n)$, the number of which is

$$N = \frac{(m+1)(m+2)...(m+n)}{n!}$$

 $\left\{x_{i}, y_{i}, \ldots, t_{i}\right\}$ are certain points of D. The searched minimum of this sum is 1/2 and is obtained, if the points $\left\{x_{i}, y_{i}, \ldots, t_{i}\right\}$ are the points of greatest deviation from zero of the extremal function of the first problem.

Abstracter's note & Complete translation.

4

Card 3/3

New Possibilities of Increasing Oil (Cont.) SOV/92-59-3-8/44

methods and utilized for this purpose five input wells and six idle wells. As a result of his effort, three depleted wells were again put into production. An important factor in oil recovery is the extension of the operating cycle of oil wells. While in 1956 the average operating cycle i.e., the period of time between each oil well overhaul, was 21.1 days, in 1958 it had been extended to 55.9 days. It follows, therefore, that in 1958 the number of oil well overhauling operations dropped considerably. The oil well maintenance crew of the No 3 cilfield has initiated the use of a suspended pneumatic wrench to fasten and unfasten pump pressure tubes. This pneumatic wrench has been developed by engineers of the Groznyy Central Machine-Repair Shop, and proved to be very useful. The introduction of advanced methods and new techniques helped the personnel engaged in oil production to successfully fulfill their assignments and discharge the obligations undertaken by them towards the country as participators in the socialist competition contest.

ASSOCIATION: Promysel No 3 Starogrozneft' (The No 3 Oilfield of the Starogrozneft' Petroleum Production Administration)

Card 2/2

BASIK, V.S., intn.; CREBENYUK, G.S., inth.

Preliminary forging of ingots for large forgings. Mashinostroenis
no.1:65-66 Ja-F 165.

(MIRA 18:4)

GREHENYUK, G.S., inzh.; RODIN, V.l., inzh.; BASIK, V.S., inzh.

Units for tensile tests and for the determination of plasticity by the torsion method at high temperatures. Mashinostroenie (MIRA 18:4) no.1:87-89 Ja-F '65.

GREBENYUK, G.Ya.

Result of the treatment of non-specific tonsillitis pulverized sulfidine. Vest. otorinolar. 13 no.3:35-37 May-June 1951.

(CIML 20:11)

1. Of the Division of Mar, Throat, and Nose (Scientific Director Prof. L.A. Kukovskiy), Dnepropetrovsk Central Railroad Polyclinic (Head-F.M. Akimov) and the Children's Polyclinic (Head-M.A. Yakovenko) of Stalin Railroad.

GREBENYUK. G. YA.

Nasopharynx - 'umors

Nasopharyngeal papilloma in a 7-week-old infant. Vest. oto-rin. 15, No. 1, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051662

AID P - 3121

Subject : USSR/Aeronautics

Card 1/1 Pub. 58 - 7/24

Author : Grebenyuk, I.

Title : First jumps

Periodical : Kryl. rod., 10, 10, 0 1955

Abstract : Short note about the activity of parachutists in a DOSAAF primary

unit in the city of Chimkent. Several names are mentioned.

Institution: 1) Primary DOSAAF Chimkent Unit, 2) High School No. 8 im. Lenin in

Chimkent.

Submitted : No date

KIR'YAN, G.V.; OREBENYUK, I.F.

Introducing automatic control of low and medium capacity mine pumps. Sbor.nauch.rab.stud. LGI no.2:135-141 57. (MIRA 13:4)

1. Leningradskiy ordenov Lenina i Trudovogo Krasnogo Znameni gornyy institut im. G.V. Plekhanova. Predstavlenc prof. S.A. Alatartsevym. (Mine pumps) (Automatic control)

YEL'KINA, Ye.L.; GREBENYUK, I.N.

Increasing the germination of corn seeds in the field by treating them with preparations NIUIF-2 (granosan) and TMTD (tetramethylthiuram-disulfide). Trudy TSSBS no.4:139-144 160. (MIRA 15:4)
(Corn (Maize)) (Fungicides)

GREBENYUK, I.D.

Microscopic fungi of the gray forest and Chestnut soils of Western Siberia. Trudy TSSBS no.8:161-164 '64. (MIRA 18:7)

GREBERYUK, I.N., aspirant; VERNER, A.R., doktor biol. nauk, rukovoditel' raboty.

GREBINYUK, K.K.

Development of technological processes is our concern also.

Mashinostroitel no.8:33 Ag '59. (MIRA 12:11)

1. Brigadir pressovshchikov Uralmashzavoda. (Sverdlovsk--Efficiency, Industrial)

(Excavating machinery)

GREBENYUK, M.

Excavator operator M. Grebeniuk. Stroitel' no.12:10 D '57.

(MIRA 11:2)

1. Starshiy mashinist ekskavatora CM-202, Kremenchugskaya gosudarstvennaya elektricheskaya stantsiya.

GREBENYUK, M.A., inshener.

The MG-4 cast iron boiler. Rats.i isobr.predl.v stroi. no.73:10-12 '54.

(MLRA 7:6)

(Boilers)

GREBENYUK, M.I.

PAVLOV, I.P.; EMCHENKO, A.I., professor, redaktor; DANILYUK, O.T.,

[translator]; GREBENYUK, M.I., redaktor; POLITYENKO, S.R.,

tekhnichniy redaktor.

[Twenty year's experience in an objective study of the higher nervous activity (behavior) of animals. Translated from the Russian] Dvadtsiatyrichnyi dosvid ob'iektyvnoho vyvchennia vyshchoi nervovoi diial'nosti (povedinky) tvaryn. Kyiv, Dershavne uchbovopedagogichne vyd-vo "Radians'ka shkola," 1953. 614 p. (MIRA 8:2) (Psychology, Physiological)

GREBENYUK, M.I.

Effectiveness of contraceptives on a polyethylene oxide base.

Akush.i gin. 35 no.6:22-23 N-D 159. (MIRA 13:4)

1. Iz Khar'kovskogo nauchno-issledovatel'skogo instituta okhrany materinstva i detstva imeni N.K. Krupskoy (direktor - kand.med.nauk A.I. Kornilova) i Khar'kovskogo khimiko-farmatsevticheskogo nauchno-issledovatel'skogo instituta (direktor - kand.med.nauk M.A. Angar-skaya).

(POLYETHYELENES pharmacol.)
(CONTRACEPTIVES)